

Amendments To The Claims:

Please amend the claims as shown.

1 – 10 (canceled)

11. (new) A salient-pole machine, comprising:
a rotor body having a central axis arranged coaxial with a rotational axis of the machine;
a pole shoe arranged on the rotor body;
a field coil extending along the axis of the rotor body having a portion of the field coil arranged between a portion of the rotor body and a portion of the pole shoe; and
a spring element that exerts a spring force against the field coil forcing the field coil against the pole shoe, the spring element having a hollow cross section with an interior portion arranged between the field coil and the rotor body,
wherein
an axis of the spring cross section is parallel to the rotor axis, and
the interior portion of the hollow spring element forms an axial cooling channel of the machine.

12. (new) The salient-pole machine as claimed in claim 11, wherein the entire field coil is arranged between a portion of the rotor body and a portion of the pole shoe.

13. (new) The salient-pole machine as claimed in claim 12, wherein the spring is a bent leaf spring.

14. (new) The salient-pole machine as claimed in claim 13, wherein the spring has an essentially U-shaped cross section having two limb like extensions and the field coil is forced against the associated pole shoe by one of the two limbs of the essentially U-shaped section.

15. (new) A salient-pole machine, comprising:
a rotor body that extends in an axial direction of the machine;
a pole shoe arranged on the rotor body;

a field coil arranged between the rotor body and the pole shoe; and
a leaf spring arranged between the field coil and the rotor body that forces the field coil against the pole shoe by exertion of a spring force against the field coil.

16. (new) The salient-pole machine as claimed in claim 15, wherein the spring has an essentially U-shaped cross section having two limb like extensions and the field coil is forced against the associated pole shoe by one of the two limbs.

17. (new) The salient-pole machine as claimed in claims 12, wherein the spring has two essentially U-shaped sections which partially overlap to form essentially an O-shape having an opening at one point.

18. (new) The salient-pole machine as claimed in claim 17, wherein two field coils are forced against the associated pole shoe by the spring and the opening in the O-shaped spring is arranged such that it points towards a coil support arranged between the two field coils.

19. (new) The salient-pole machine as claimed in claim 18, wherein the spring is fixed to the rotor body by a fixing device on a side of the O-shaped spring opposite the opening in the spring.

20. (new) The salient-pole machine as claimed in claim 19, wherein the spring has a spring stiffness of between approximately 1 and 4 N/mm.

21. (new) The salient-pole machine as claimed in claim 20, wherein the spring has a spring stiffness of between approximately 2 and 3 N/mm.

22. (new) The salient-pole machine as claimed in claim 20, wherein in the stressed state a contact point of the spring with the respective field coil or an insulating element arranged between the field coil and the spring is between 2 and 5 mm from the axis of gravity of the field coil.

23. (new) The salient-pole machine as claimed in claim 22, wherein the contact point of the spring with the associated field coil or an insulating element arranged between the field coil and the spring is approximately 3.5 mm from the axis of gravity of the field coil.

24. (new) The salient-pole machine as claimed in claim 23, wherein the field coil comprises a cooling channel oriented essentially radially and in connection with the axial cooling channel where a cooling medium flows.

25. (new) A hollow spring for a salient-pole machine having a rotor with a field coil, comprising:

a first spring leg configured to contact a first field coil of the rotor or an insulting block of the first field coil;

a second spring leg configured to contact a second field coil of the rotor arranged approximately 90° from the first field coil or an insulting block of the second field coil; and

a spring remainder portion spanning between the first and second spring legs configured to contact the rotor and with a provision for accepting a securing device to secure the hollow spring to the rotor,

wherein the first and second spring legs are in a proximity with one another such that in a stressed state the cross sectional profile of the hollow spring is configured essentially as an O-shape forming an interior portion of the hollow spring where a cooling medium of the salient-pole machine flows.

26. (new) The salient-pole machine as claimed in claim 25, wherein the hollow spring has a spring stiffness of between approximately 1 and 4 N/mm.

27. (new) The salient-pole machine as claimed in claim 26, wherein the hollow spring has a spring stiffness of between approximately 2 and 3 N/mm.

28. (new) The salient-pole machine as claimed in claim 26, wherein in the stressed state a contact point of the first spring leg and a contact point of the second spring leg with the

respective field coil or insulating block is between 2 and 5 mm from the axis of gravity of the respective field coil.

29. (new) The salient-pole machine as claimed in claim 28, wherein the contact points of the hollow spring is approximately 3.5 mm from the axis of gravity of the respective field coil.